

ENVIROSET 4001

TECHNICAL DATA SHEET

Two Pack 100% Solids Epoxy Penetrating Primer



A & I Coatings ENVIROSET 4001 is a clear two pack, solvent free, 100% solids epoxy with excellent penetration, surface hardness and adhesion to concrete substrates. It exhibits high water resistance, chemical and oil resistance.

USES & BENEFITS	• Penetrating primer for Concrete Substrates	
	Benefits	Limitations
	<ol style="list-style-type: none">1. Can be used as a seal coat and for a subsequent coat for A & I Coatings' high performance coating system2. Exceptional wetting characteristics & hard wearing3. Can be used as air releasing sealer for new concrete surfaces	<ol style="list-style-type: none">1. This product will chalk when continuously exposed to sunlight2. Amine bloom may occur if humidity is above 80%.3. Minimum surface temperature should be at least 3°C above dew point.4. Do not use for immersion service unless adequately top coated.
PHYSICAL PROPERTIES	Vehicle Type	Epoxy
	Hardener	Amine
	Ratio	2 : 1 (Part A : Part B) by Volume
	Pot Life	Approx. 45 mins @25°C
	Finish	Gloss
	Theoretical Coverage	5-10 m ² /litre Dependent on application
	Volume Solids	100%
	Recommended DFT	Dependent on application
	Usual No. of Coats	1-2 (dependent on substrate)
	Colour	Clear
	Pigmentation	N/A
	Primer Required	No
	Product Weight	1.10Kg/Litre Pack A, 0.98 Kg/Lit Pack B
ENGINEERING DATA	Abrasion Resistance	Very good
	Chemical Resistance	Contact A & I Coatings for specific recommendations. Resistant to a wide range of acids and alkalis, vegetable and mineral oils. Not resistant to strong oxidising acids, phenols or amines
	Dry Heat Resistance	Up to 120°C
	Solvent Resistance	Excellent for many solvents
	Durability	Excellent, but will chalk under UV exposure without damage to the integrity of the coating

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CURING DATA	Substrate Temp.(°C)	Touch Dry	Dry to Handle	Full Cure	Recoat Min
	10°C				
	25°C	4 Hrs		7 Days	16 Hrs
	40°C				
Note: Maximum recoat time varies with the environment condition and the topcoat used					
APPLICATION DATA	Mixing	Blend Pack A with Pack B to correct ratio. Power stir thoroughly for at least two minutes prior to use. Allow to stand for 10 minutes in cold weather. Only mix required amount and use within the stated pot life.			
	Application	Airless spray, brush or roller. Note: If airless spray is running too hot, it may set off at a faster cure time. Care must be taken to roll or brush out uneven surface.			
	Cleaning	V122 Epoxy Thinners			
	Thinning	V122 Epoxy Thinners			
SURFACE PREPARATION	Concrete	Surface must be sound, free from all loose material, laitance, old coatings, dust and surface contaminants (e.g. oil, grease, chemicals, release/curing agents etc). Smooth or contaminated surfaces must be mechanically treated by abrasive blasting or grinding to achieve a clean anchor pattern for best adhesion. Oily surfaces must be detergent cleaned and water blasted. In some instances, acid etch and water blasting may be adequate to form a 'key' for sufficient adhesion.			
	General	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with A & I Coatings recommended cleaner. Once units of paint have been mixed, they should not be resealed, and it is advised that after prolonged stoppages work commences with freshly mixed units.			
WORK STOPPAGES	Clean Up	Clean all equipment after use with A & I Coatings recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time (including delays).			
	Packing	Available in 15 L kits. For other sizes, contact A & I Coatings.			
PACKING & STORAGE	Storage	12 months if stored in sealed containers away from heat and moisture. Subject to re- inspection thereafter. Store above 10C.			
	HEALTH & SAFETY	All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for ENVIROSET 4001. Users should familiarise themselves with all the safety aspects of the product prior to use.			

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HEALTH & SAFETY

Please ensure the current Technical Data Sheet is consulted prior to specification or application of A & I Coatings products. A & I Coatings will in many instances provide Area Specific Instruction Sheets which contain detailed instructions on how to achieve desired results for specific areas. If the surface intended to be painted differs from the specification, please consult the A & I Coatings Technical team on 1800 819 585.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on-site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

DISCLAIMER: Since the use and application of this product is beyond our control we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty